

WHAT IS CLAIMED IS:

1. A wireless Universal Serial Bus Hub for providing communication between one or more remote wireless peripheral devices and a computer, said wireless Universal Serial Bus Hub comprising:

a data reception circuit for receiving data in a wireless manner from the one or more remote wireless peripheral devices;

an upstream port connected to the computer; and

a hub controller for passing information from the data reception circuit to the upstream port for transmission to the computer.

2. The invention defined in claim 1 wherein said data reception circuit further includes an RF receiver for receiving wireless information from at least one of the one or more remote peripheral devices.

3. The invention defined in claim 2 wherein said data reception circuit further includes a signal discriminator for receiving information from said receiver and presenting the peripheral device data information to said hub controller.

4. The invention defined in claim 3 wherein said hub controller further includes a serial interface engine for converting the remote peripheral information into Universal Serial Bus format.

5

5. The invention defined in claim 2 further including three separate data reception circuits each corresponding to a separate remote peripheral device, wherein each of said data reception circuits include a separate RF receiver.

10

6. The invention defined in claim 5 wherein said RF receiver is a DSSS BPSK modulation receiver.

15

7. The invention defined in claim 5 further including a signal discriminator for receiving information from said receivers and presenting the peripheral device data information to said hub controller.

20

8. The invention defined in claim 7 wherein said hub controller further includes a serial interface engine for converting the remote peripheral information from said signal discriminator into Universal Serial Bus format.

9. The invention defined in claim 5 further including a serial interface engine for converting the remote peripheral information from said data reception circuits into Universal Serial Bus format.

5

10. A wireless Universal Serial Bus Hub for connecting one or more remote peripheral devices to a computer for communication therewith, said wireless Universal Serial Bus Hub comprising:

10

a data reception circuit for receiving data in a wireless manner from the one or more remote peripheral devices, said data reception circuit including an RF receiver;

15

an upstream port connected to the computer; and
a hub controller including a serial interface engine for converting the remote peripheral information from said signal discriminator into Universal Serial Bus format for transmission to said upstream port.

20

11. The invention defined in claim 10 wherein said RF receiver is a DSSS BPSK modulation receiver.

add
a1

add
B1

004080 " 99429560